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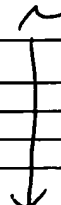
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| Application Number | 10/660,997 |
| Filing Date | September 12, 2003 |
| First Named Inventor | David J. Ecker |
| Art Unit | Not Yet Assigned |
| Examiner Name | Not Yet Assigned |
| Attorney Docket Number | IBIS0063-100 (DIBIS-0002US.P2) |

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
|---|-----------------------|---|--------------------------------|---|---|----------------|
| | | Country Code ³ - Number ⁴ - Kind Code ⁵ (if known) | | | | |
|  | BA | WO99/14375 | 03/23/99 | Genetrace Systems | | |
| | BB | WO97/33000 | 09/12/97 | Genetrace Systems | | |
| | BC | WO98/20166 | 05/14/98 | Sequenom | | |
| | BD | WO97/37041 | 10/09/97 | Sequenom | | |
| | BE | WO99/31278 | 06/24/99 | Sequenom | | |
| | BF | WO98/54751 | 12/03/98 | Genetrace Systems | | |
| | BG | WO98/12355 | 03/26/98 | Genetrace Systems | | |
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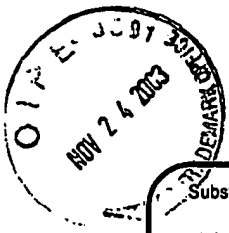
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Sheet 2 of 2

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| Filing Date | September 11, 2003 |
| First Named Inventor | David J. Ecker |
| Group Art Unit | Not Yet Assigned |
| Examiner Name | Not Yet Assigned |
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

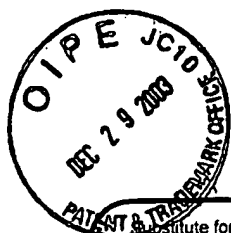
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|---------------------|-----------------------|--|----------------|
| ✓ | CA | Aaserud, et al., "Accurate base composition of double-strand DNA by mass spectrometry," J. Am. Soc. Mass Spec. (1996) 7:1266-1269. | |
| ✓ | CB | Muddiman, et al., "Length and base composition of PCR-amplified nucleic acids using mass measurements from electrospray ionization mass spectrometry," Anal. Chem. (1997) 69:1543-1549. | |
| ✓ | CC | Wunsche, et al., "Heterogeneity in bacillus cereus PCR products detected by ESI-FTICR mass spectrometry," Anal. Chem. (1998) 70:1203-1207. | |
| ✓ | CD | Muddiman, et al., "Sequencing and characterization of larger oligonucleotides by electrospray ionization fourier transform ion cyclotron resonance mass spectrometry," Rev. Anal. Chem. (1998) 17:1-68. | |
| ✓ | CE | Hurst, et al., "Detection of bacterial DNA polymerase chain reaction products by matrix-assisted laser desorption/ionization mass spectrometry," Rapid. Comm. Mass. Spec. (1996) 10:377-382. | |
| ✓ | CF | Muddiman, et al., "Precise mass measurement of a double-stranded 500 base-pair (309 kDa) polymerase chain reaction product by negative ion electrospray ionization fourier transform ion cyclotron resonance mass spectrometry," Rapid Comm. Mass Spec. (1999) 13:1201-1204. | |
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| ✓ | S1 | BAKER, et al., "Review and re-analysis of domain-specific 16S primers," J. Microbiol. Methods (2003) 55:541-555. | |
| | S2 | BENSON, et al., "Advantages of Thermococcus kodakaraensis (KOD) DNA polymerase for PCR-mass spectrometry based analyses," J. Am. Soc. Mass Spectrom. (2003) 14:601-604. | |
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| | S6 | CONRAD, et al., "16S-23S rDNA internal transcribed spacer sequences for analysis of the phylogenetic relationships among species of the genus Fusobacterium," Intl. J. System. Evol. Microbiol. (2002) 52:493-499. | |
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| | S9 | DEMASURE, et al., "A set of universal primers for amplification of polymorphic non-coding regions of mitochondrial and chloroplast DNA in plants," Mol. Ecol. (1995) 4:129-131. | |
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| ✓ | S11 | FOX, et al., "Identification of Brucella by ribosomal-spacer-region PCR and differentiation of Brucella canis from other Brucella spp. pathogenic for humans by carbohydrate profiles," J. Clin. Microbiol. (1998) 36:3217-3222. | |

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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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|---------------------|-----------------------|---|----------------|
| ✓ | S12 | FOX et al., "Report of the 'Bioterrorism Workshop'", J. Microbiol. Methods (2002) 51:247-254. | |
| | S13 | GRIFFEY and GREIG, "Detection of base pair mismatches in duplex DNA and RNA oligonucleotides using electrospray mass spectrometry," SPIE (1997) 2985:82-88. | |
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| | S18 | HAYASHI, et al., "Phylogenetic analysis of the human gut microbiota using 16S rDNA clone libraries and strictly anaerobic culture based methods," Microbiol. Immunol. (2002) 46:535-548. | |
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| ✓ | S22 | KAGEYAMA and BENNO, "Rapid detection of human fecal Eubacterium species and related genera by tested PCR method," Microbiol. Immunol. (2001) 45:315-318. | |

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Signature**

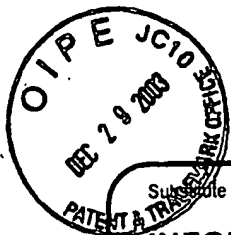
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Sheet 3 of 5

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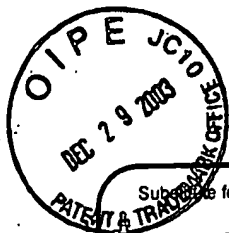
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| N | S23 | LITTLE, et al., "Rapid sequencing of oligonucleotides by high-resolution mass spectrometry," J. Am. Chem. Soc. (1994) 116:4893-4897. | |
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| ✓ | S33 | NULL and MUDDIMAN, "Determination of a correction to improve mass measurement accuracy of isotopically unresolved polymerase chain reaction amplicons by electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry," Rapid Comm. Mass Spectrom. (2003) 17:1714-1722. | |
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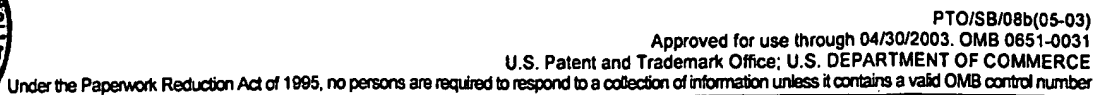
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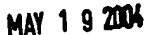
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Examiner Name

Not Yet Assigned

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